

GeometryQuiz10: 3D Shapes and Volumes

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Question 1

Find the volume of a cylinder with radius 7 cm and height 10 cm.

Question 2

Calculate the surface area of a sphere with radius 6 cm.

Question 3

A cone has a height of 9 cm and a base radius of 3 cm. Find its volume.

Question 4

Determine the volume of a rectangular prism with length 8 cm, width 5 cm, and height 3 cm.

Question 5

Find the surface area of a cube with a side length of 4 cm.

Question 6

Calculate the lateral surface area of a cone with radius 5 cm and slant height 12 cm.

Question 7

A sphere has a volume of $288\pi \text{ cm}^3$. Find its radius.

Question 8

Determine the height of a cylinder with volume 100 cm^3 and radius 2 cm.

Question 9

Find the total surface area of a rectangular prism with length 10 cm, width 6 cm, and height 4 cm.

Question 10

Calculate the volume of a pyramid with a base area of 24 cm^2 and a height of 10 cm.